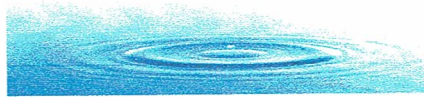


Attachment 5

Laboratory reports for NPDES
monitoring

Laboratory Quality Control Reports



LTS ENVIRONMENTAL, INC.

Beta Offshore
111 W. Ocean Blvd., Suite 1240
Long Beach, Ca 90802

January 31, 2018

Attn: Diana Lang

Quarterly NPDES chlorine residuals on the non-contact cooling water outlet were as follows:

Sample Date / Time	Location	Total Chlorine Residual
		(EPA Method 330.5) <u>End of Pipe</u>
January 26, 2018 @ 1145 hrs	Platform Ellen Non-Contact Cooling Water Outlet East Seawater Pump	0.19 mg/l
LTS Meter S/N: 12040E195572		Method Blank < 0.05 mg/l (MDL)
Technician: Michael Apple		

S.G. Lawry
Environmental Specialist / LTS



LTS ENVIRONMENTAL, INC.

October 17, 2017

Quality Control

As part of the annual in-house quality control chlorine meter check and to ensure proper operation of the meters, LTS Environmental Inc. performed a total residual chlorine test with a known value obtained from Sigma-Aldrich Corporation. Results of this test are as follows:

Test Date
October 9, 2017

Total Residual Chlorine
(EPA Method 330.5)

LTS meter (SN 12040E195572)

1.47 mg/l

Acceptance Limits
Certified Value

0.902 – 2.38 mg/l
1.64 mg/l \pm 0.0574

Sigma-Aldrich Corporation test sample (QC1065-2ml.Lot #LRAB5132)

LTS Lead Technician: Mike Apple 

Method Blank < 0.05 mg/l



S.G. Lawry
Environmental Specialist
President, LTS Environmental, Inc.